

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,956,572 B2  
APPLICATION NO. : 10/616219  
DATED : October 18, 2005  
INVENTOR(S) : John R. Zaleski

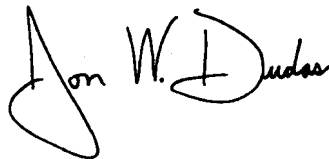
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page should be deleted and substitute therefor the attached title page.  
Please replace informal drawings with the attached formal drawings.

Signed and Sealed this

Thirtieth Day of October, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*

(12) **United States Patent**  
Zaleski

(10) Patent No.: **US 6,956,572 B2**  
(45) Date of Patent: **Oct. 18, 2005**

(54) **PATIENT MEDICAL PARAMETER USER INTERFACE SYSTEM**

(75) Inventor: **John R. Zaleski, West Brandywine, PA (US)**

(73) Assignee: **Siemens Medical Solutions Health Services Corporation, Malvern, PA (US)**

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 66 days.

(21) Appl. No.: **10/616,219**

(22) Filed: **Jul. 8, 2003**

(65) **Prior Publication Data**

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**Related U.S. Application Data**

(60) Provisional application No. 60/446,313, filed on Feb. 10, 2003.

(51) Int. Cl.<sup>7</sup> ..... **G09G 5/22; A61B 5/00**

(52) U.S. Cl. .... **345/440.2; 600/300**

(58) Field of Search ..... **345/440, 440.1, 345/440.2, 700, 762, 764, 883; 600/300, 301**

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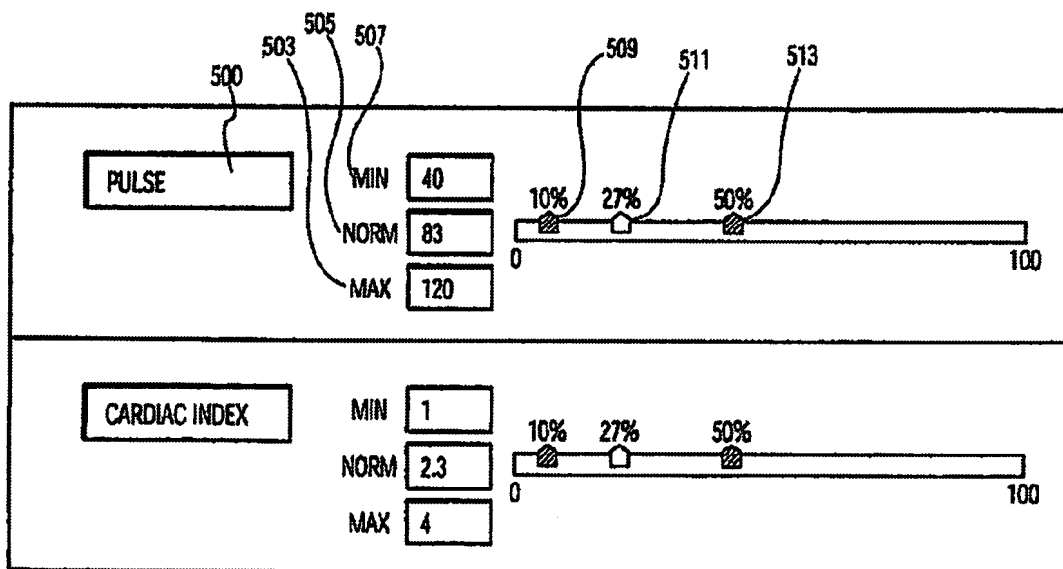
*Primary Examiner*—Matthew Lun

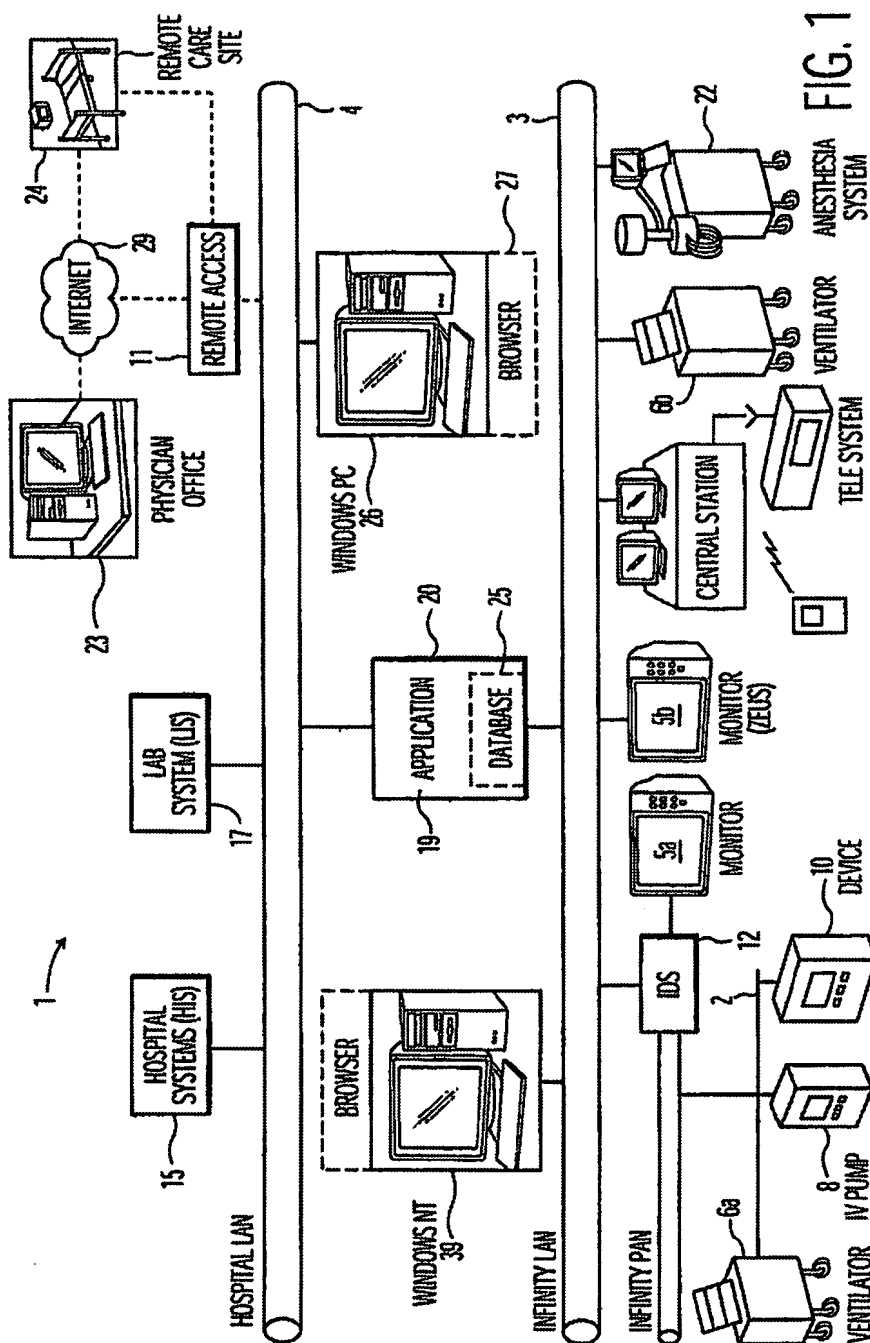
(74) *Attorney, Agent, or Firm*—Alexander J. Burke, Esq.

(57) **ABSTRACT**

A user interface enables a critical care clinician (such as a respiratory therapist, nurse, resident, or attending physician) to quickly ascertain a patient condition as part of a patient care management procedure. A system according to invention principles comprises a user interface display providing a quick and convenient way to display key vital parameters and their acceptable ranges within the immediate eye-span of a clinician. A system provides a user interface presenting patient medical parameter data, and includes an acquisition processor for acquiring, from a patient monitoring device, data representing a patient parameter. The system includes a processor for initiating generation of data representing at least one display image including, (a) a current value of a patient parameter and (b) a sliding bar representation of the patient parameter current value together with a range indicator for graphically indicating whether the current value is outside of a user determined range.

**21 Claims, 8 Drawing Sheets**





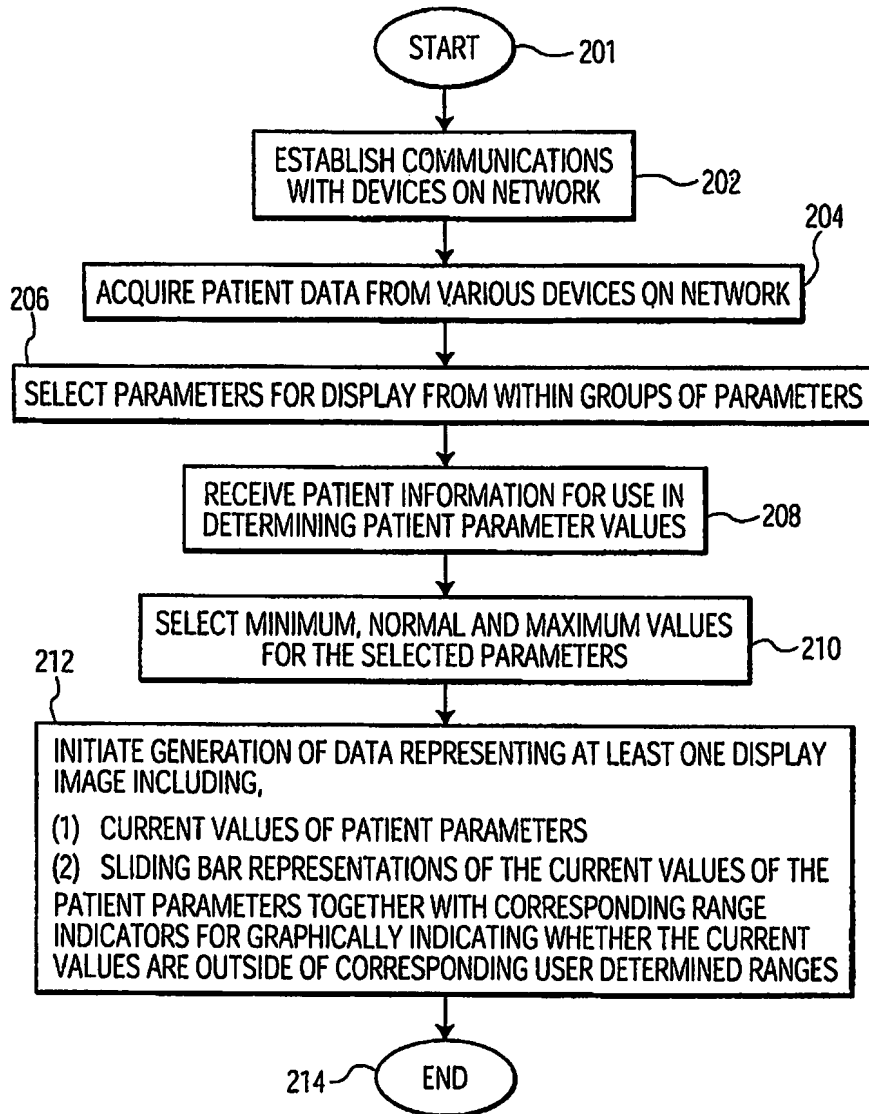


FIG. 2

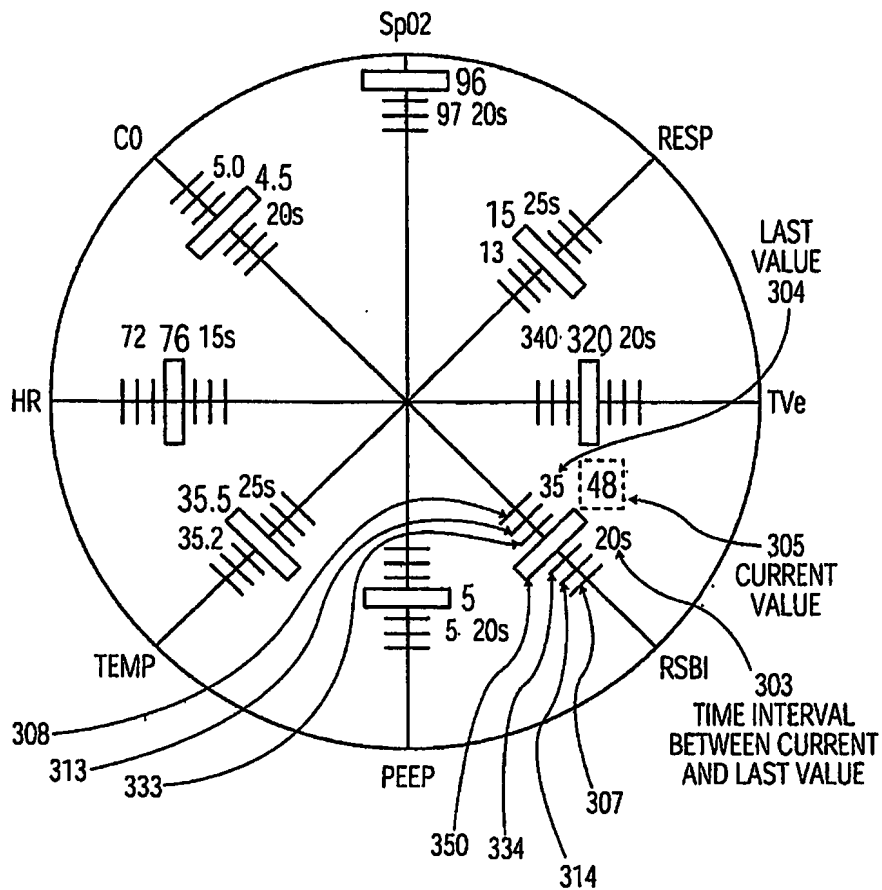


FIG. 3

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| 400  |  | 403                                 | 405 |
|--|--|-------------------------------------|-----|
| VASCULAR   | RESPIRATORY                                      | LABORATORY                          |     |
| <input checked="" type="checkbox"/> PULSE          | <input checked="" type="checkbox"/> RESP RATE    | <input type="checkbox"/> HEMOGLOBIN |     |
| <input type="checkbox"/> CARDIAC INDEX             | <input checked="" type="checkbox"/> TIDAL VOLUME | <input type="checkbox"/> K          |     |
| <input checked="" type="checkbox"/> CARDIAC OUTPUT | <input type="checkbox"/> MINUTE VOLUME           | <input type="checkbox"/> Ca         |     |
| <input checked="" type="checkbox"/> O2 SATURATION  | <input checked="" type="checkbox"/> PEEP         | <input type="checkbox"/> SaO2       |     |
| <input checked="" type="checkbox"/> CORE TEMP      | <input checked="" type="checkbox"/> RSBI         | <input type="checkbox"/> P02        |     |
| <input type="checkbox"/> PAP                       | <input type="checkbox"/> IMV LEVEL               | <input type="checkbox"/> PCO2       |     |
| <input type="checkbox"/> CVP                       | <input type="checkbox"/> DYN. COMPL.             | <input type="checkbox"/> pH         |     |
| <input type="checkbox"/>                           | <input type="checkbox"/>                         | <input type="checkbox"/>            |     |
| <input type="checkbox"/>                           | <input type="checkbox"/>                         | <input type="checkbox"/>            |     |

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SELECTED PARAMETERS

PULSE CARDIAC  
OUTPUT O2  
SATURATION  
TEMPERATURE RR  
Tve CARDIAC INDEX  
CARDIAC INDEX

409

MASS (kg)

53

411

HEIGHT (cm)

145

FIG. 4

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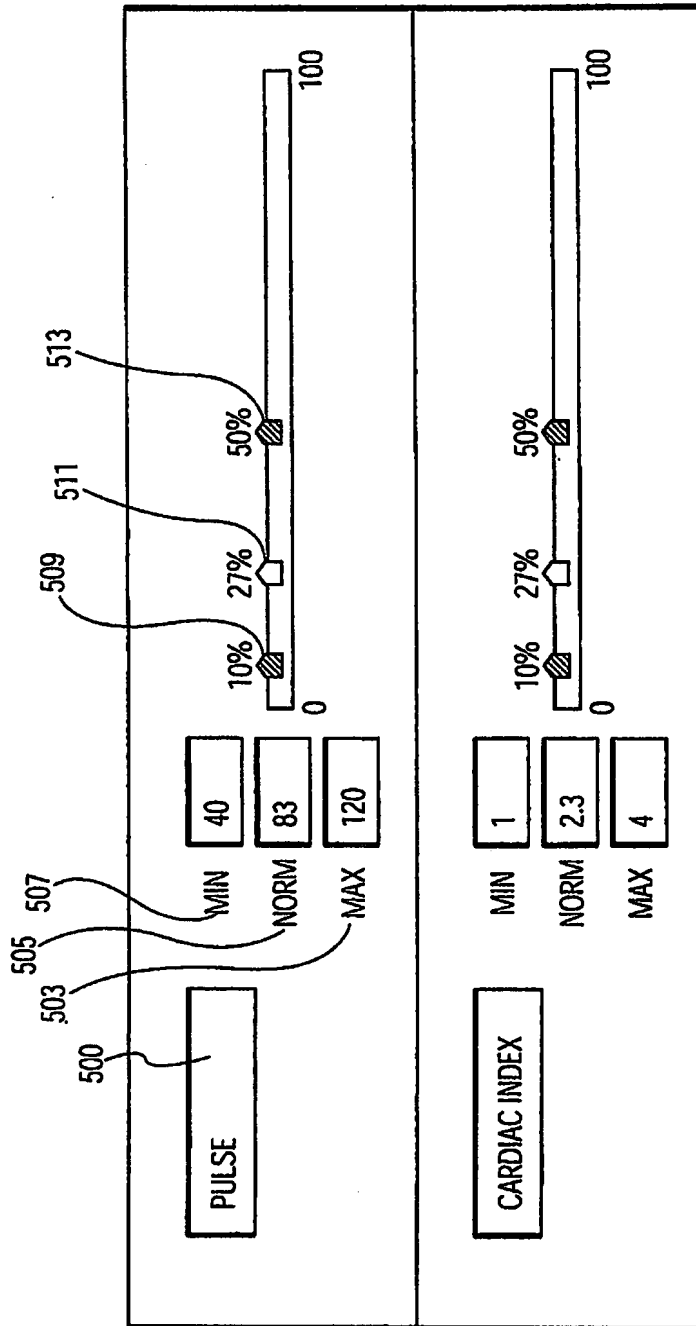


FIG. 5

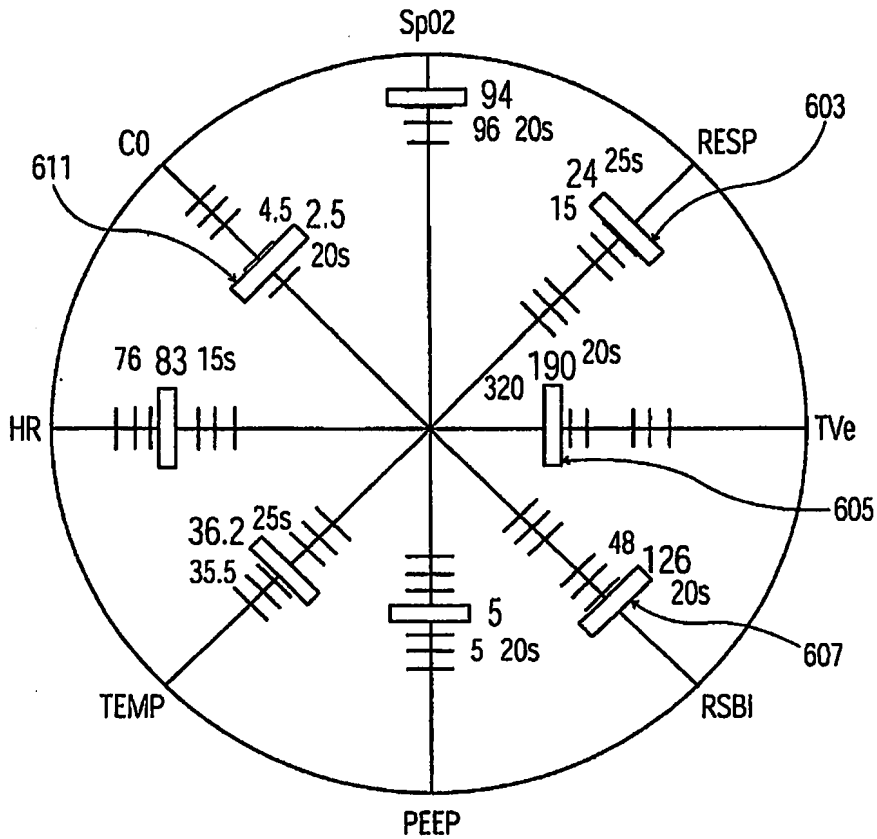


FIG. 6



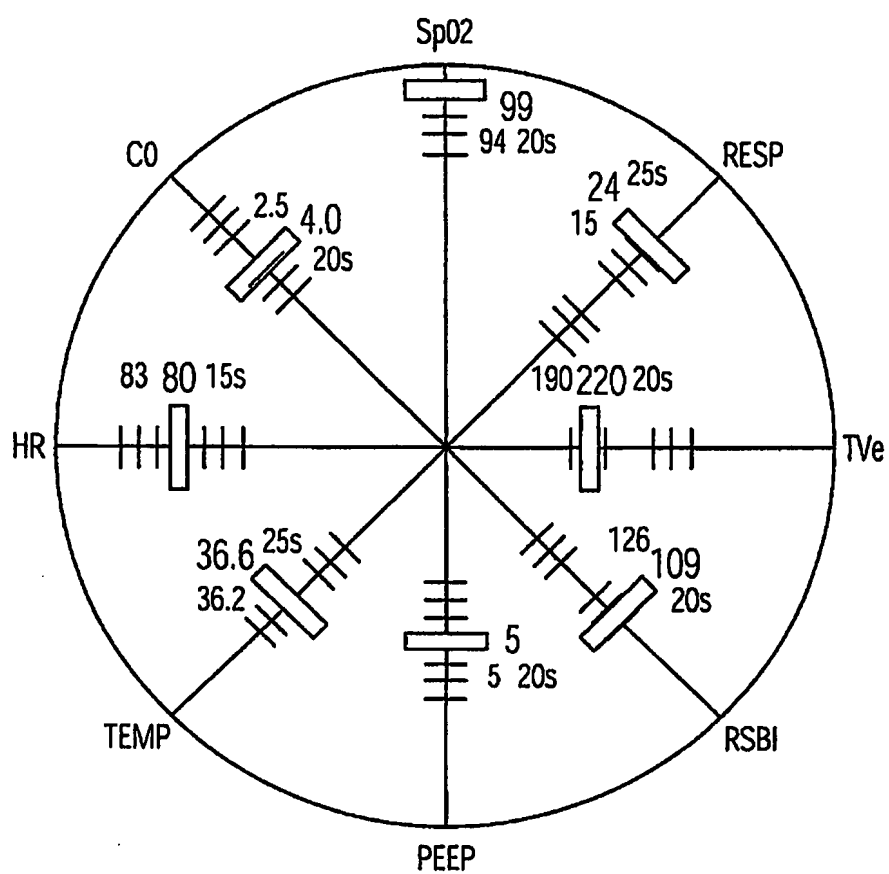


FIG. 7

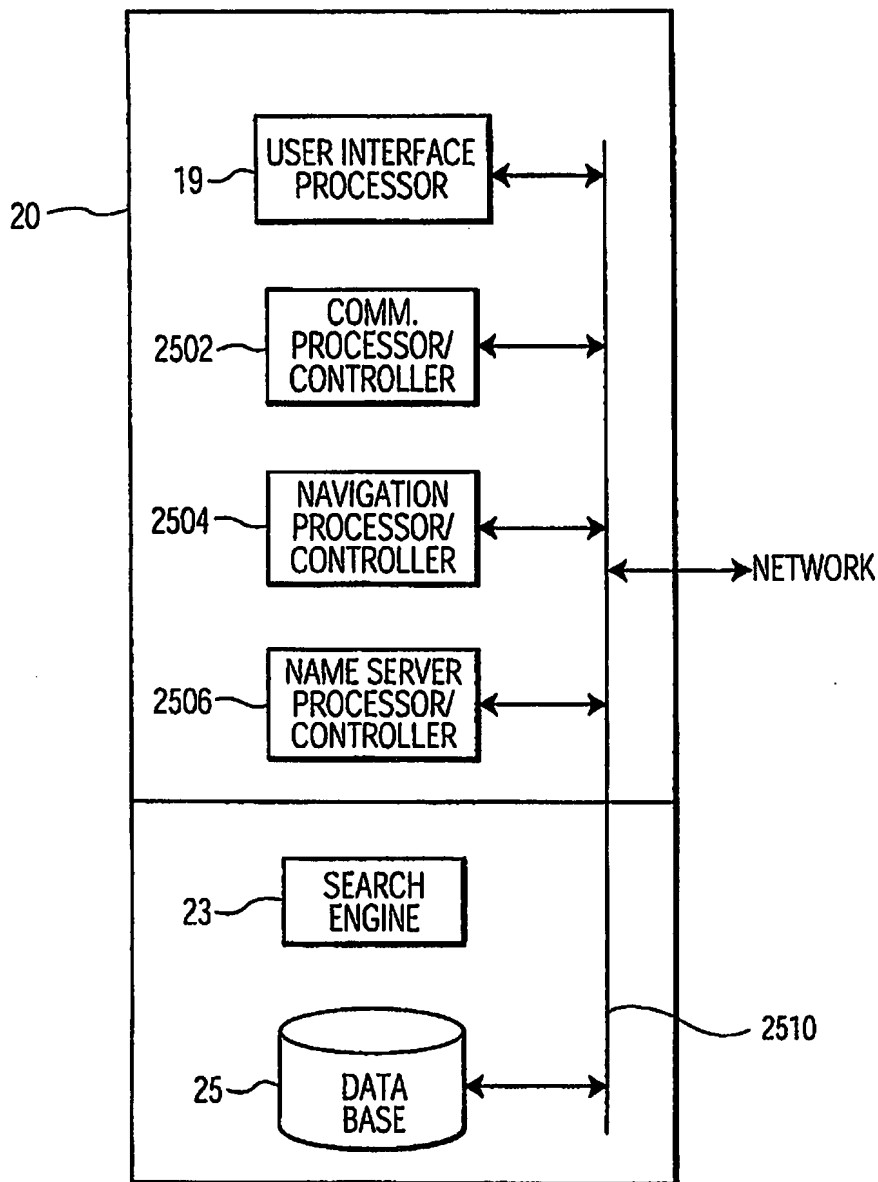


FIG. 8